



FIG. A.6. EPOS ESE results. Shown are three centralities of Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV (upper panels) and at 27 GeV (lower panels) simulated by EPOS4, with approximately 1.6×10^6 and 8×10^5 events for each centrality, respectively. The $\Delta\gamma$ is plotted as a function of v_2 in events binned in $\hat{q}_2^2\{2\}$ (Eqs. 5,6). POIs are from acceptance $0.3 < |\eta| < 2$ and $0.2 < p_T < 2$ GeV/c, and the event selection variable $\hat{q}_2^2\{2\}$ is computed from particles in $|\eta| < 0.3$, both with $0.2 < p_T < 2$ GeV/c. The model's known impact parameter direction $\psi = 0$ is taken as the EP in calculating $\Delta\gamma$ (Eqs. 2,3) and $\langle v_2 \rangle$ (Eq. 10).